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JACK PINE BUDWORM DEFOLIATION ON THE SUPERIOR NATIONAL FOREST

By Glen Erickson

INTRODUCTION

Jack-pine budworm, Choristoneura pinus pinus Freeman, defoliation in northern Minnesota has been reported during most of the last decade. The most recent outbreak on the Superior National Forest was detected in 1968. The 1969 aerial survey was done on August 14-15 in cooperation with the Minnesota Department of Agriculture.

METHODS

The Forest Service Cessna 180 on floats was flown in an east-west direction; in parallel lines 4 miles apart; 1000 feet above the ground; at 100 m.p.h. Defoliation was classed as follows:

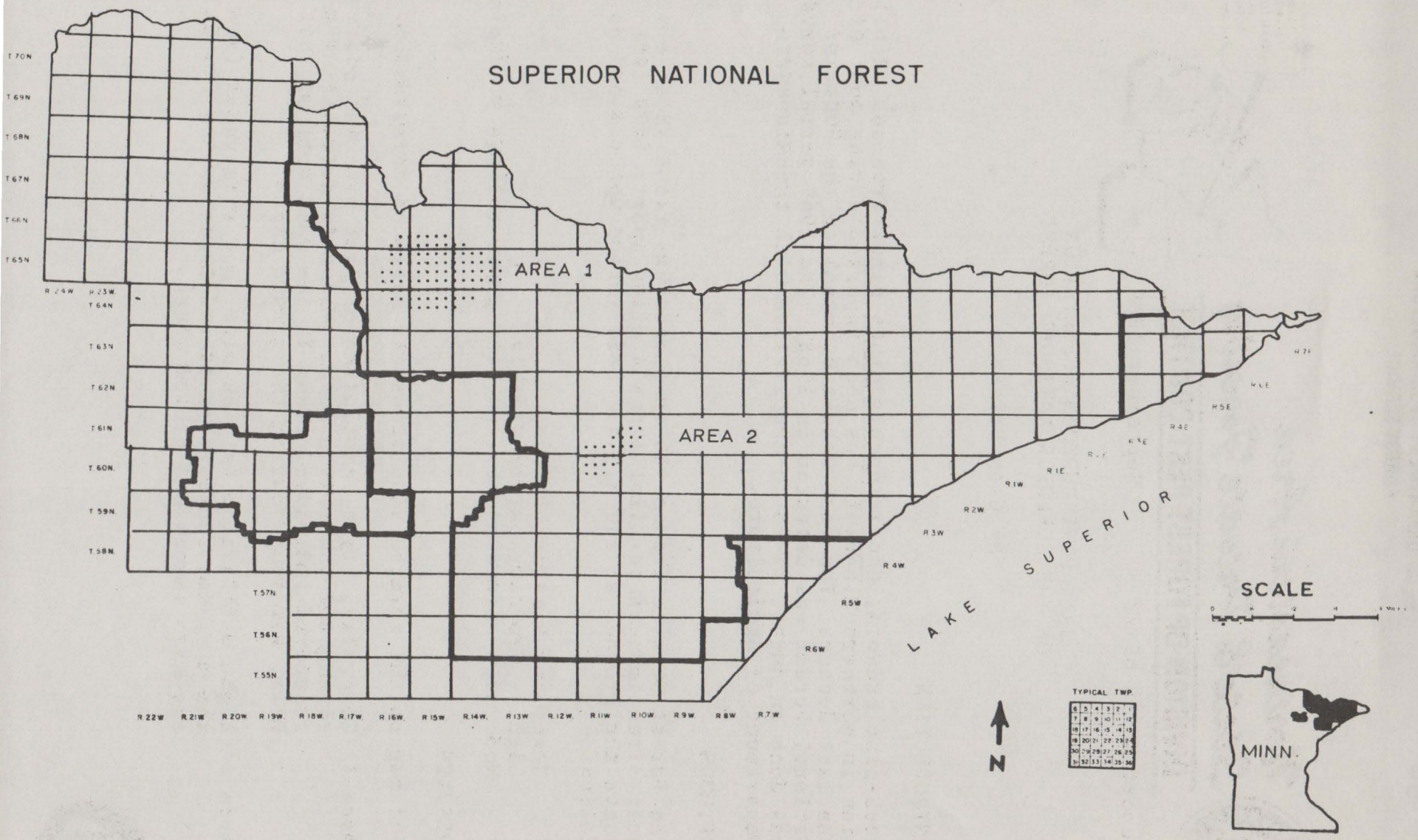
None - no visible browning
Light - browning barely visible
Moderate - browning obvious, but green foliage predominates

RESULTS

The map on the reverse side shows the areas of defoliation.

Area I Generally, light defoliation of jack pine was observed throughout the entire area. Moderate defoliation on scattered individual trees in the east half of T65N R14W, was found during the ground check.

Area 2 Light defoliation to jack pine (not observable from the air) was found in scattered trees during the fall egg-mass survey and ground check.



JACK – PINE BUDWORM DEFOLIATION – 1969

⁘ LIGHT